

Cubes:

A. Definitions

A cube is a 6-sided figure in which all sides are squares of the same length.

B. Basic Memorizations

Surface Area = $6s^2$, where s is a side

Volume = s^3

C. Examples

Ex [1] The surface area of cube with a side of 4cm is _____ cm^2 .

a. The answer is $6 \times 4^2 = 6 \times 16 = 96$.

Ex [2] The volume of a cube with a side of 12in is _____ in^3 .

a. The answer is $12^3 = 1728$.